

Carla Fernandes

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

806
citations

19
h-index

27
g-index

49
ext. papers

1,081
ext. citations

4.1
avg, IF

4.65
L-index

#	Paper	IF	Citations
43	Evaluation of chiral separation by Pirkle-type chiral selector based mixed matrix membranes. <i>Separation and Purification Technology</i> , 2022 , 289, 120722	8.3	1
42	Development and evaluation of Pirkle-type chiral stationary phase for flash chromatography. <i>Journal of Chromatography A</i> , 2022 , 1675, 463156	4.5	
41	Enantioresolution and Binding Affinity Studies on Human Serum Albumin: Recent Applications and Trends. <i>Chemosensors</i> , 2021 , 9, 304	4	2
40	S-(+)-Pentedrone and R-(+)-methylone as the most oxidative and cytotoxic enantiomers to dopaminergic SH-SY5Y cells: Role of MRP1 and P-gp in cathinones enantioselectivity. <i>Toxicology and Applied Pharmacology</i> , 2021 , 416, 115442	4.6	1
39	Enantioselectivity in Drug Pharmacokinetics and Toxicity: Pharmacological Relevance and Analytical Methods. <i>Molecules</i> , 2021 , 26,	4.8	10
38	Strategies for Preparation of Chiral Stationary Phases: Progress on Coating and Immobilization Methods. <i>Molecules</i> , 2021 , 26,	4.8	2
37	Chiral polymeric membranes: Recent applications and trends. <i>Separation and Purification Technology</i> , 2021 , 119800	8.3	5
36	From Natural Products to New Synthetic Small Molecules: A Journey through the World of Xanthenes. <i>Molecules</i> , 2021 , 26,	4.8	23
35	Chiral derivatives of xanthenes and benzophenones: Synthesis, enantioseparation, molecular docking, and tumor cell growth inhibition studies. <i>Chirality</i> , 2021 , 33, 153-166	2.1	2
34	Enantioselectivity on the absorption of methylone and pentedrone using Caco-2 cell line: Development and validation of an UHPLC method for cathinones quantification. <i>Toxicology and Applied Pharmacology</i> , 2020 , 395, 114970	4.6	4
33	Chiral Separations in Preparative Scale: A Medicinal Chemistry Point of View. <i>Molecules</i> , 2020 , 25,	4.8	27
32	New chiral stationary phases for liquid chromatography based on small molecules: Development, enantioresolution evaluation and chiral recognition mechanisms. <i>Chirality</i> , 2020 , 32, 81-97	2.1	5
31	Synthesis of New Chiral Derivatives of Xanthenes with Enantioselective Effect on Tumor Cell Growth and DNA Crosslinking. <i>ChemistrySelect</i> , 2020 , 5, 10285-10291	1.8	4
30	Enantioseparation, recognition mechanisms and binding of xanthenes on human serum albumin by liquid chromatography. <i>Bioanalysis</i> , 2019 , 11, 1255-1274	2.1	6
29	Chiral Derivatives of Xanthenes with Antimicrobial Activity. <i>Molecules</i> , 2019 , 24,	4.8	21
28	Dual enantioselective LC-MS/MS method to analyse chiral drugs in surface water: Monitoring in Douro River estuary. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 170, 89-101	3.5	22
27	Chiral Stationary Phases for Liquid Chromatography: Recent Developments. <i>Molecules</i> , 2019 , 24,	4.8	65

26	Synthetic Chiral Derivatives of Xanthenes: Biological Activities and Enantioselectivity Studies. <i>Molecules</i> , 2019 , 24,	4.8	19
25	Carboxyxanthenes: Bioactive Agents and Molecular Scaffold for Synthesis of Analogues and Derivatives. <i>Molecules</i> , 2019 , 24,	4.8	13
24	Chiral Stationary Phases Based on Small Molecules: An Update of the Last 17 Years. <i>Separation and Purification Reviews</i> , 2018 , 47, 89-123	7.3	34
23	Chiral Resolution and Enantioselectivity of Synthetic Cathinones: A Brief Review. <i>Journal of Analytical Toxicology</i> , 2018 , 42, 17-24	2.9	28
22	Marine Natural Peptides: Determination of Absolute Configuration Using Liquid Chromatography Methods and Evaluation of Bioactivities. <i>Molecules</i> , 2018 , 23,	4.8	14
21	Chiral Thioxanthenes as Modulators of P-glycoprotein: Synthesis and Enantioselectivity Studies. <i>Molecules</i> , 2018 , 23,	4.8	11
20	Enantiomeric ratios: Why so many notations?. <i>Journal of Chromatography A</i> , 2018 , 1569, 1-7	4.5	14
19	Lipophilicity assesement in drug discovery: Experimental and theoretical methods applied to xanthone derivatives. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1072, 182-192	3.2	18
18	Multi-milligram resolution and determination of absolute configuration of pentedrone and methylone enantiomers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018 , 1100-1101, 158-164	3.2	18
17	Enantiomeric Resolution and Docking Studies of Chiral Xanthonic Derivatives on Chirobiotic Columns. <i>Molecules</i> , 2018 , 23,	4.8	24
16	Resolution, determination of enantiomeric purity and chiral recognition mechanism of new xanthone derivatives on (S,S)-whelk-O1 stationary phase. <i>Chirality</i> , 2017 , 29, 247-256	2.1	13
15	New chiral stationary phases based on xanthone derivatives for liquid chromatography. <i>Chirality</i> , 2017 , 29, 430-442	2.1	11
14	Chiral Derivatives of Xanthenes: Investigation of the Effect of Enantioselectivity on Inhibition of Cyclooxygenases (COX-1 and COX-2) and Binding Interaction with Human Serum Albumin. <i>Pharmaceuticals</i> , 2017 , 10,	5.2	14
13	Chiral Stationary Phases for Liquid Chromatography Based on Chitin- and Chitosan-Derived Marine Polysaccharides. <i>Symmetry</i> , 2017 , 9, 190	2.7	22
12	Chiral Separation in Preparative Scale: A Brief Overview of Membranes as Tools for Enantiomeric Separation. <i>Symmetry</i> , 2017 , 9, 206	2.7	35
11	Chiral enantioresolution of cathinone derivatives present in "legal highs", and enantioselectivity evaluation on cytotoxicity of 3,4-methylenedioxypropyvalerone (MDPV). <i>Forensic Toxicology</i> , 2016 , 34, 372-385	2.6	33
10	New Cyclotetrapeptides and a New Diketopiperzine Derivative from the Marine Sponge-Associated Fungus <i>Neosartorya glabra</i> KUFA 0702. <i>Marine Drugs</i> , 2016 , 14,	6	25
9	Chiral Pharmaceuticals 2016 , 1-28		3

8	A new cyclic hexapeptide and a new isocoumarin derivative from the marine sponge-associated fungus <i>Aspergillus similanensis</i> KUFA 0013. <i>Marine Drugs</i> , 2015 , 13, 1432-50	6	50
7	Enantioresolution of Chiral Derivatives of Xanthenes on Different Types of Liquid Chromatography Stationary Phases: A Comparative Study. <i>Current Chromatography</i> , 2014 , 1, 139-150	0.4	3
6	New chiral derivatives of xanthenes: synthesis and investigation of enantioselectivity as inhibitors of growth of human tumor cell lines. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 1049-62	3.4	34
5	Small Molecules as Chromatographic Tools for HPLC Enantiomeric Resolution: Pirkle-Type Chiral Stationary Phases Evolution. <i>Chromatographia</i> , 2013 , 76, 871-897	2.1	39
4	Enantioresolution of chiral derivatives of xanthenes on (S,S)-Whelk-O1 and L-phenylglycine stationary phases and chiral recognition mechanism by docking approach for (S,S)-Whelk-O1. <i>Chirality</i> , 2013 , 25, 89-100	2.1	28
3	Resolution and determination of enantiomeric purity of new chiral derivatives of xanthenes using polysaccharide-based stationary phases. <i>Journal of Chromatography A</i> , 2012 , 1269, 143-53	4.5	25
2	Synthesis of new chiral xanthone derivatives acting as nerve conduction blockers in the rat sciatic nerve. <i>European Journal of Medicinal Chemistry</i> , 2012 , 55, 1-11	6.8	27
1	Enantioseparation and chiral recognition mechanism of new chiral derivatives of xanthenes on macrocyclic antibiotic stationary phases. <i>Journal of Chromatography A</i> , 2012 , 1241, 60-8	4.5	44